

Federal CIO Council

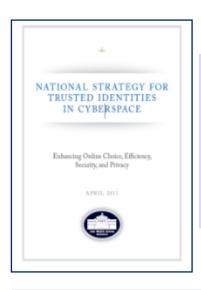
Information Security and Identity Management Committee

IDManagement.gov

Spring 2014 ICAM Information Sharing Day and Vendor Expo

Federal Cloud Credential Exchange





VISION

Individuals and organizations utilize secure, efficient, easy-to-use, and interoperable identity solutions to access online services in a manner that promotes confidence, privacy, choice, and innovation.

NSTIC Objective 2.3: Implement the Federal Government Elements of the Identity Ecosystem

- The Federal Government must continue to lead by example and be an early adopter of identity solutions that align with the Identity Ecosystem Framework.
- The Federal Government must also continue to leverage its buying power as a significant customer of the private sector to motivate the supply of these solutions.

FCCX - FICAM TFS Approved Services



LOA 4

- Very High Confidence in Asserted Identity
- PIV, CAC, PIV-I, xCertified w/ Federal Bridge @ LOA4

LOA 3

- High Confidence in Asserted Identity
- LOA 4 + Symantec + Verizon Business

LOA 2

- Some Confidence in Asserted Identity
- LOA 4/3 + Virginia Tech

LOA 1

- Little or No Confidence in Asserted Identity
- LOA 4/3/2 + LOA 1 TMs

Current & Complete listing @ http://www.idmanagement.gov/approved-identity-services



The Federal Cloud Credential Exchange (FCCX) accelerates NSTIC and FICAM by allowing agencies to securely interact with a single "broker" to authenticate consumers



- Requires agencies to integrate with multiple Identity Service Providers (IDPs), each independently paying for authentication services
- Limited LOA 2 & 3 credentials due to limited demand



- Centralized interface between agencies and credential providers – reduces costs and complexity, speeds up integration timeline for new IDPs
- Enhanced consumer privacy and experience; user does not have to get a new credential for each agency application
- Decreased Federal government authentication costs

FCCX and FICAM Relationship



- FICAM sets the policy for acceptance of externally-issued credentials at federal applications
- FCCX is a service that supports the implementation of FICAM policy
 - enables federal agencies to accept externally-issued credentials more easily and at lower cost than on their own.
- FCCX requirements are consistent with FICAM policy, but may be more extensive than what FICAM specifies to meet multiple agency needs.



- Consumer navigates to Agency website that has decided to accept interoperable credentials and identities
- Consumer chooses to use Identity Provider credential to log into the Agency website (2 options: imbedded selector on agency page or standalone page)

Federal Agency of The United States of America

Federal Agency of The United States of America

Sign in using your account with one of these services:

Federal Agency of the United States of America is requesting authentication and demographics information

Federal Agency of the United States of America is requesting authentication and demographics information

Federal Agency of the United States of America

With Username and Password:

Email Address:

Feastword:

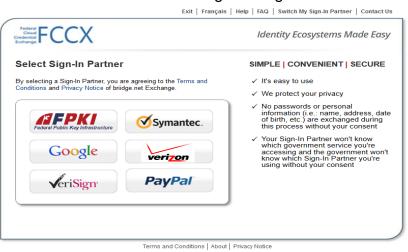
I accept the Terms of Use agreement.

France of Use appearance.

Don't have an account with any of these services?

Find out more about these services and create an account here!

FCCX Sign-In Page



Consumer browser is routed via FCCX to the Identity Provider login page (Identity Provider only knows it has an authentication request from FCCX and no consumer information is in the transfer)





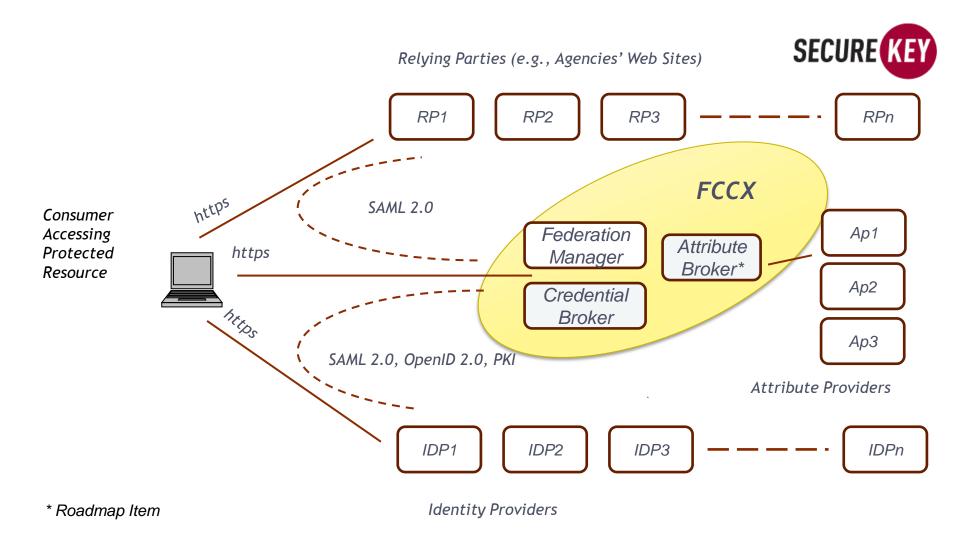
Consumer logs into the Identity Provider website and provides consent to allow attributes to be shared



Identity Provider sends credential assertion and attributes via FCCX to the requesting Agency. This is done without storing any personal consumer data in FCCX. Agency resolves identity to single account utilizing attributes and may ask additional identity related questions during initial log-in to resolve identity to a single person/account.

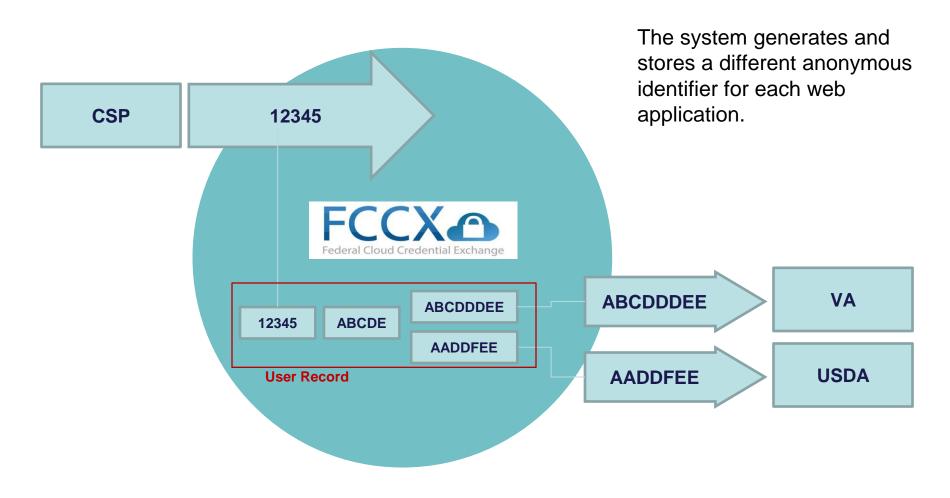








Ensuring Privacy by Design



Breakout Session Content – FCCX Value



For Agencies:

- Enables acceptance of full range of FICAM-approved third-party credentials for online services
- Avoids need for separate contracts with each credential provider
- Increases efficiency and ease of credentialing and integration, enhancing ability to provide digital services to citizens
- Reduces total investment password renewal, helpdesk, and credentialing costs

For Citizens and other users:

- Allows the citizen to use the same credential for interactions with multiple agencies
- Provides a more secure environment that is easier to manage one username and password. More secure than multiple agency passwords.

Breakout Session Content – FCCX Roles



 NIST/NSTIC – Overall Vision for Interoperable Credential Ecosystem

GSA

- FCCX Program Management Office
- FICAM Program
- Contracting for Credential Service Providers (CSPs)
- USPS Operating Entity
 - Contract in place for the FCCX Exchange (SecureKey)
- Agencies
 - Initial Participating Agencies VA, USDA, NIST, GSA
 - Interested Agencies DHS, State, OPM, SSA, RRB and others

Breakout Session Content – FCCX Status



Broker Technology Implementation

- Configuration is complete
- Environments complete and tested
- Ready for pilot production use under USPS ATO
- FedRAMP certification August, 2014

Identity Attributes and CSP Contracts

- FICAM Identity Resolution Attributes Technical Exchange Meeting (TEM) on 5/1/14
- GSA releasing updated solicitation in May

Long-term Items In-Progress

- Consumer Outreach (positioning on agency pages, user experience, communications, help desk preparations, etc.)
- Business Model (operating agreements, funding structure, etc.)

Get Involved - Contact Us



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Align

Collaborate

Enable